

Product datasheet for **MR203447**

Erp29 (NM_026129) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Erp29 (NM_026129) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Erp29
Synonyms:	1200015M03Rik; 2810446M09Rik; AW209030; Erp28; Erp31; PDI-Db
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203447 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCGCCGCCCGGGGTGTCTGGCGCTGCTTCTCTCTCCCACTGCTGTCCGTGCTCCTGGGCCTGC
TGCTCCTCTTTGCTCCGCACGGCGGCAGCGGCCTACACACGAAGGGTCCCTTCCCTTGGACACAGTCAC
TTTCTACAAGTCATTCCAAAAGCAAGTTCGTCTTGGTGAAGTTCGACACCCAGTACCCTATGGAGAG
AAGCAAGATGAGTTCAAGCGTCTGGCTGAGAACTCAGCCTCCAGCGAGGAGCTCTTGGTGGCAGAGGTGG
GGATCTCAGACTATGGCGACAAGCTGAACATGGAGCTGAGTGAGAAGTACAAGCTGGACAAGGAGAGCTA
CCCAGTCTTCTACCTATTCCGGGATGGGACTTGGAGAACCCTGTGCTGTACAATGGGGCAGTTAAGGTT
GGAGCCATCCAGCGCTGGCTAAAGGGGCAGGGGTCTACCTGGGCATGCCTGGGTGCCTGCCTGCATACG
ATGCCCTGGCAGGCGAGTTCATCAAGGCCTCCAGCATAGAGGCCCGACAGGCCATCTTGAAACAGGGACA
GGATGGCCTCCTAAGTGTGAAGGAAACAGAGAAGAAGTGGGCTAGCCAATACCTGAAGATCATGGGGAA
ATCCTGGACCAAGGTGAGGACTTCCAGCCTCTGAGATGGCCCGGATCGGTAAGCTGATAGAGAACAAGA
TGAGTGACAGCAAGAAAGAAGAGCTACAGAAGAGCTTAAACATCTGACGGCCTCCGGAAGAAGGAGGC
TGAGAAGGAGGAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR203447 protein sequence
Red=Cloning site Green=Tags(s)

MAAAAGVSGAASLSPLL SVLLGLLLLLFAPHGGSGLHTKGALPLDVTVTFYKVIPKSKFVLVKFDTQYPYGE
 KQDEFKRLAENSASSEELLVAEVGISDYGDKLNMEELSEKYKLDKESYPVFYLFRDGDLENPVL YNGAVKV
 GAIQRWLKQGQVYLGMPGCLPAYDALAGEFIKASSIEARQAAILKQGQDGLLSVKETEKKWASQYLKIMGK
 ILDQGEDFPASEMARIGKLIENKMSDSKKEELQKSLNILTAFRKKEAEKEEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_026129

ORF Size: 789 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_026129.2](#), [NP_080405.1](#)

RefSeq Size: 1258 bp

RefSeq ORF: 789 bp

Locus ID: 67397

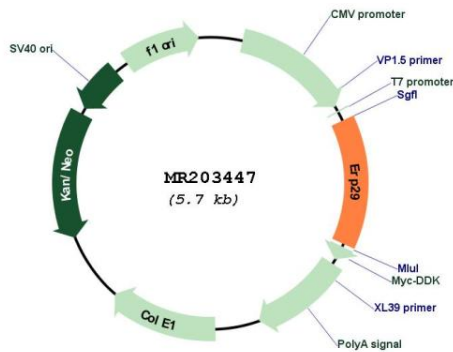
UniProt ID: [P57759](#)

Cytogenetics: 5 F

MW: 28.8 kDa

Gene Summary: Does not seem to be a disulfide isomerase. Plays an important role in the processing of secretory proteins within the endoplasmic reticulum (ER), possibly by participating in the folding of proteins in the ER.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203447